

ELECTRICAL CONNECTOR WITH CPA AND RIDGE
STABILIZED SEAL COVER

ABSTRACT OF THE DISCLOSURE

An electrical connector includes a housing having a mating end and a wire receiving end. A cover is provided on the wire receiving end of the housing. The cover has a ridge on an interior surface thereof to stabilize the cover on the housing. The cover flexes about the ridge when the cover is mounted on the housing. A connector position assurance element (CPA) is slidably received in a channel on the cover and is movable between a pre-staged position and a staged position. The CPA engages a connector latch on the housing to assure that a mating connector is fully mated to the connector when the CPA is in the staged position. The CPA includes a simply supported latch beam having a latch element thereon that engages a step in the channel to latch the CPA to the cover.